

SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ASSESSING THE HEALTH OF AN ELECTRIC MOTOR

Abstract

Systems, methods and computer program products calculate the life remaining in a machine, such as an electric motor, or the life remaining in individual components within a machine. Life remaining calculations are based on information collected from multiple sources, including operator input data, historical data, and lookup tables. Using this information the remaining useful life of the machine is calculated based on quantitative data, standard design life limits and on reliability analysis such that continuous historical parameter data is not required to analyze or assess the life of the machine.